

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: February 23, 2001, 10:48:45 ; Search time 23.25 Seconds
(without alignments)
892.293 Million cell updates/sec

Title: US-09-195-368-1
 Perfect score: 951
 Sequence: 1 MCLSHLNNPPLSHSRTOGQ.....VLKNNTYWGIIILLANQFIS 177

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 374700 seqs, 117207915 residues
Total number of hits satisfying chosen parameters: 3747000

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 10%
                  Listing first 45

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Database :
SPTRMBL_15.*
1: sp_archaea.*
2: sp_bacteria.*
3: sp_fungi.*
4: sp_human.*
5: sp_invertebrate.*
6: sp_mammal.*
7: sp_mhnc.*
8: sp_organelle.*
9: sp_phase.*
10: sp_plant.*
11: sp_rodent.*
12: sp_virus.*
13: sp_vertebrate.*
14: sp_unclassified.*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	951	100.0	177	4	Q9UNG2	Q9ung2 homo sapien	
2	906	95.3	169	4	Q95852	Q95852 homo sapien	
3	108.5	11.4	272	13	Q918D8	Q918d8 gallus gall	
4	85.5	9.0	415	4	Q9UGY8	Q9ugy8 homo sapien	
5	84	8.0	579	12	Q65605	Q65605 bovine immu	
6	82	8.6	1188	5	Q96143	Q96143 plasmodium	
7	79.5	8.4	665	5	Q17701	Q17701 caenorhabdi	
8	79.5	8.4	851	10	Q91FL1	Q91rl1 arabidopsis	
9	78	8.2	326	12	P89064	P89064 rotavirus.	
10	78	8.2	564	2	P75041	P75041 mycoplasma	
11	77.5	8.1	352	2	Q9KM00	Q9km00 vibrio chol	
12	77.5	8.1	3614	5	Q5W4E2	Q5w4e2 drosophila	
13	77	8.1	326	12	Q9QS10	Q9qs10 human rotav	
14	77	8.1	433	5	Q26197	Q26197 plasmodium	
15	77	8.1	748	3	Q9P3D8	Q9p3d8 neurospora	
16	77	8.1	1424	5	Q9N3L5	Q9n3l5 caenorhabdi	
17	76	8.0	326	12	Q98022	Q98022 human rotav	
18	76	8.0	326	12	Q98025	Q98025 human rotav	
19	76	8.0	326	12	Q19P76	Q19p76 human rotav	

ALIGNMENTS

RESULT	1
Q9UNG2	
ID	Q9UNG2 PRELIMINARY; PRT; 177 AA.
AC	O9UNG2;
DT	01-MAY-2000 (TremBrel_13, Created)
DT	01-MAY-2000 (TremBrel_13, Last sequence update)
DT	01-MAY-2000 (TremBrel_13, Last annotation update)
DE	GLUCOCORTICOID-INDUCED TNFR-RELATED PROTEIN LIGAND.
GN	TNFSF18.
OS	Homo sapiens (Human).
OC	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC	Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
OX	NCBI_TaxID=9606;
RN	[1]
RP	SEQUENCE FROM N.A.
RC	TISSUE=UMBILICAL VEIN;
RA	Gurney A.L., Marsters S.A., Huang A., Pitti R.M., Mark M.,
RA	Baldwin D.T., Gray A.M., Dowd P., Brush J., Heldens S., Schow P.,
RA	Goddard A.D., Wood W.I., Baker K.P., Godowski P.J., Ashkenazi A.;
RT	"Identification of a new member of the tumor necrosis factor family
RT	and its receptor, a human ortholog of mouse GITR." ;
RL	Curr. Biol. 0:0-0(1999).
SI	EMBL; AF125303; AAD22634.1; .
SO	SEQUENCE 177 AA; 20307 MW; 3D78CE6B90F4C9E3 CRC64;

	Query Match	100.0%	Score 951;	DB 4;	Length 177;
	Best Local Similarity	100.0%;	Pred. No. 3.7e-84;		
	Matches 177;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MCLSHLENNPUSHHSTGQAORSSWKMLFCSIVMLFLFCFSWLIFFIQLETAKEPCMA	60		
Db	1	MCLSHLENNPUSHHSTGQAORSSWKMLFCSIVMLFLFCFSWLIFFIQLETAKEPCMA	60		
Qy	61	KFGPLPSKQWQMASSEPPCVNKVSDWKLEILQNGLYLIYQGVAPNANYNDVAPFEVRLYKN	120		
Db	61	KFGPLPSKQWQMASSEPPCVNKVSDWKLEILQNGLYLIYQGVAPNANYNDVAPFEVRLYKN	120		
Qy	121	KDMIQTLTNKSKIQNVGYTEYELHVGDGTDLLFNSEHQVLKNNTYWGIIILLANPQFIS	177		
Db	121	KDMIQTLTNKSKIQNVGYTEYELHVGDGTDLLFNSEHQVLKNNTYWGIIILLANPQFIS	177		

[illegible]

Query Match
Best Local Similarity 8.8%; Score 84; DB 12; Length 579;
Matches 47; Conservative 28; Mismatches 51; Indels 78; Gaps 11;

QY 20 QRSWKMLWFCISVIMLFLCFSWLIFI-----FQLQ-ETAKEP-C 58
DB 260 RLTHREWSVRIVLL-LISFSGMWTORVEASGQHVAMVISPPCFRPVNDTSKIPWC 318

QY 59 MAKFGPLPS-----KWOMASSEPPCVNKVSDW-----KLEILONGLYIXG 100
DB 319 LSD-APIPTCSRPRWQKYOGKIEIYEVVNKLSDWAEKHSRATWIPELDLEVYVEL--- 374

QY 101 VAPNANYNDVAPEVRLYNKDMIOITLNKSQNQVGGTYELHVGDTIDLPNSHEVLK 160
DB 375 -----ALLSANGSRQVTNTGTIDICNESDTPENQTGOTMTLLH-----LK 414

QY 161 N----NTY-----WGIIILL 170
DB 415 NOISNTWILTSLTFCVQWPYVLI 438

RESULT 6
ID O96143 PRELIMINARY; PRT; 1188 AA.
AC O96143;
DT 01-MAY-1999 (TREMBLrel. 10, Created)
DT 01-MAY-1999 (TREMBLrel. 10, Last sequence update)
DT 01-MAY-1999 (TREMBLrel. 10, Last annotation update)
DE PROTEIN WITH 5'-3' EXONUCLEASE DOMAIN (KEM-1 FAMILY).
GN PF80205C.

OS Plasmodium falciparum.
OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
OX NCBI_TaxID=5833;
RN [1]
RX MEDLINE=99021743; PubMed=9804551;
RA Gardner M.J., Tetelin H., Carucci D.J., Cummings L.M., Aravind L., Koonin E.V., Shallom S., Mason T., Yu K., Fujii C., Pederson J., Shen K., Jing J., Aston C., Lai Z., Schwartz D.C., Pertea M., Salzberg S., Zhou L., Sutton G.G., Clayton R., White O., Smith H.O., Fraser C.M., Adams M.D., Venter J.C., Hoffman S.L.;
RT "Chromosome 2 sequence of the human malaria parasite Plasmodium falciparum";
RL Science 282:1126-1132(1998).
DR EMBL; AE001380; AAC71830.1; -
KW Exonuclease
SQ SEQUENCE 1188 AA; 142895 MW; BF767FC8532EBAC9 CRC64;

Query Match
Best Local Similarity 8.6%; Score 82; DB 5; Length 1188;
Matches 38; Conservative 11; Mismatches 36; Indels 40; Gaps 9;

QY 41 FSWLIFLQLETAKEPCMAKFG-PLPSKWOMASSEPPCV-----NKVSDW-----KLEIL 90
DB 7 YMWLVLFLEFFLE-----LARCGIPGLHK-VINFPSCVKIVDRNKLDWNCIGGLEKA 59

QY 91 Q-----NGLYLIXGVAPNANYNDVAPEVRLYNKDMIOITLNKSQN 135
DB 60 GKHKRNHGNGDNNGDNNDNNDDNYDNDGCEIN-RNIKNKD--NTYDN-----N 111

QY 136 VGGTY 140
DB 112 INNTY 116

RESULT 7
ID Q17701 PRELIMINARY; PRT; 665 AA.
AC Q17701;
DT 01-NOV-1996 (TREMBLrel. 01, Created)
DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)
DT 01-JAN-1999 (TREMBLrel. 09, Last annotation update)
DE C06B3.2 PROTEIN.
GN C06B3.2.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditiida; Rhabditoidea; Rhabditidae; Pelodirinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RX SEQUENCE FROM N.A.
RA Percy C.;
RL Submitted (JUL-1996) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=94150718; PubMed=7906398;
RA Wilson R., Ainscough R., Anderson K., Baynes C., Berks M., Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A., Craxton M., Dear S., Du Z., Durbin R., Favell A., Fulton L., Gardner A., Green P., Hawkins T., Hillier L., Jier M., Johnston L., Jones M., Kershaw J., Kirsten J., Laister N., Latreille P., Lightning J., Lloyd C., McMurray A., Mortimore B., O'Callaghan M., Parsons J., Percy C., Rifkin L., Roopra A., Saunders D., Showkeen R., Smaldon N., Smith A., Sonhammer E., Staden R., Sulston J., Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K., Waterston R., Watson A., Weinstock L., Wilkinson-Sproat J., Wohlman P.;
RT "2.2 Mb of contiguous nucleotide sequence from chromosome III of C. elegans";
RL Nature 368:32-38(1994).
DR EMBL; Z77652; CAB01113.1; -
SQ SEQUENCE 665 AA; 75422 MW; 62EE7DF14FB083F CRC64;

Query Match
Best Local Similarity 8.4%; Score 79.5; DB 5; Length 665;
Matches 44; Conservative 24; Mismatches 61; Indels 79; Gaps

QY 27 WLFCISVMILFLCFSWLIFLQLETAKEPCMAKFGPLPSKWOMASSEPPCVNKVSDW- 85
DB 7 FLFC-----LLAFVCSHSGLYDYKIES-----PEPFSSFINYSHTVPECTDKMTWI 55

QY 86 -----KLEILONGLYLI--YGQVA--PNANYNDVAPEVRLYK 119
DB 56 SSIEQFTFASSDCOLFKNCTASTILNLKNIYAQQYDAFAKIPSAGLLEVLFDGSYQ 115

QY 120 NKDMIOTL---TN-----KSKIONGGTYELH-----VGDTIDL- 150
DB 116 ECHRISGVKYETNYCYVLLVPGRNANCSGGSIQNACTSVAFRACVCMKSCASSDTVDLY 175

QY 151 -----IFNSEHQVIKNNTYW 166
DB 176 NQLSALPLTACATFCQRDVDPKDSAFMG 203

RESULT 8
ID Q9LFL1 PRELIMINARY; PRT; 851 AA.
AC Q9LFL1;
DT 01-OCT-2000 (TREMBLrel. 15, Created)
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)
DE RECEPTOR PROTEIN KINASE-LIKE PROTEIN.
GN P2K13_50.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsids.
OX NCBI_TaxID=3702;
RN [1]
RP SEQUENCE FROM N.A.
RA Sato S., Nakamura Y., Kaneo T., Kato T., Asamizu E., Kotani H.,

Journal of Management Inquiry 22(4) 397-414

DR TIGR: VCA0589; -
SQ SEQUENCE 352 AA; 39588 MW; CA9A777BE480D3B9 CRC64;

Query Match
Best Local Similarity 8.1%; Score 77.5; DB 2; Length 352;
Matches 31; Conservative 19; Mismatches 35; Indels 33; Gaps 8;
QY 10 PLSH---SRTGOAORSWKLWLFCSIVMLFLCSFSLFIFLOLETAKEPCMAKFGPLP 66
Db 14 PLTEARWARFKANRRGFWLWIF-----LLLFVWS-----LFAELIANDKPLLQY---D 60
QY 67 SKWQMASSEPPCVNKKVSDWKLLEIIONGLYLYGVQVAPNANYNDVAPFVRLYKKNKDMI 124
Db 61 GAWYM-----PIVORYSE-----TQFG-----GFDTEADYTD--PYVWSLIEBKQOI 101

RESULT 12
SQW4E2 PRELIMINARY; PRT; 3614 AA.
ID Q9W4E2
AC Q9W4E2
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-OCT-2000 (TREMBLrel. 15, Last annotation update)
DE AKAP550 PROTEIN.
GN AKAP550.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celnik S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scher S.E., Li P.W., Hoskins R.A., Galie R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Balieu R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotter P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Fostler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Hartis M.,
RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattel B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pauley J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissenbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.-H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster";
RL Science 287:2185-2195(2000).

DR EMBL: AE003433; AAF46011.1; -
DR FLYBASE; FBgn0021748; Akap550.
DR INTERPRO: IPR000104; -
DR INTERPRO: IPR000179; -
DR INTERPRO: IPR000409; -
DR INTERPRO: IPR001680; -
DR PFAM: PF00400; WD40; 3.
DR PFAM: PF02138; Beach; 1.
DR PRINTS; PR00308; ANTIFREZEI.
DR PROSITE; PS00193; CYTOCHROME_B_OO; UNKNOWN_1.
SQ SEQUENCE 3614 AA; 400162 MW; 621563EF59703177 CRC64;

Query Match 8.1%; Score 77.5; DB 5; Length 3614;
Best Local Similarity 21.7%; Pred. No. 1.9e+02;
Matches 33; Conservative 26; Mismatches 62; Indels 31; Gaps 5;
QY 27 WLFCSIVMLFLCSFSLFIFLOLETAKEPCMA-----KFGPLPSKWQMASSEPPC 78
Db 2887 YLLQNVALEIFLASRTSILFAFPDQHTVKKVKKALPRVGVGIKYG-IPQTRRASMSPRQ 2945
QY 79 V-----NKVSDWKLLEIIONGLYLYGVQVAPNANYND-----VAPFVRLYKKNKDMIQT-- 127
Db 2946 LMRNSNMOTKQWRREISNFELMLNTIAGRTYNDLNLQYPIFPWLTNYESKDLDSLPS 3005
QY 128 -----TNKSKIQNVGGTYELHVGDTI 148
Db 3006 NYRDLKSKPGALNPSRRAYFEYESWDSDTI 3037

RESULT 13
Q9QS10 PRELIMINARY; PRT; 326 AA.
ID Q9QS10
AC Q9QS10
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-OCT-2000 (TREMBLrel. 15, Last annotation update)
DE VP7 PROTEIN.
GN VP7.
OS Human rotavirus serotype G2.
OC Viruses; dsRNA viruses; Reoviridae; Rotavirus.
OX NCBI_TaxID=73034;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=TA3;
RX MEDLINE=99301494; PubMed=10374958;
RA Zao C.L., Yu W.N., Kao C.L., Taniguchi K., Lee C.Y., Lee C.N.;
RT "Sequence analysis of VP1 and VP7 genes suggests occurrence of a
RT reassortant of G2 rotavirus responsible for an epidemic of
RT gastroenteritis";
RL J. Gen. Virol. 80:0-0(0).
DR EMBL: AF106280; AADA7299.1; -
DR INTERPRO: IPR001963; -
DR PFAM: PF00434; VP7; 1.
SQ SEQUENCE 326 AA; 37174 MW; 4782203A59C6A8A5 CRC64;

Query Match 8.1%; Score 77; DB 12; Length 326;
Best Local Similarity 22.8%; Pred. No. 12;
Matches 42; Conservative 29; Mismatches 59; Indels 54; Gaps 9;
QY 26 LMLFCSIVMLFLC-----SFSWLIFIFLOLETAKEPCMAK-----FGPLPSKWQM 71
Db 10 LTLTISILLNLVILKITMTMDYIIFRLLLIALLISPFVTRTONYGMFLPTGSLDAVTN 69
QY 72 ASSEPP-----CV-----NKVSDWKLLEIIONGLYLYGVQVAPN-----NYNDVAPFV 115
Db 70 STSGEPFUTSTLCIYPAEAKNEISDDEMENTLSQLTGKWPIGSVFKDYNDINTSV 129
QY 116 --RLVKNKMDIOTLNKSKIQNVGGTYELHVGDTITDLFNSHQVLKNNYTWGIILLANP 173
Db 130 NPQLCYDYNV-----LMRYDNTSELDASELADLIINE-----W-----LCNP 167

Qy 174 QFIS 177
Db 168 MDIS 171

RESULT 14

ID Q26197 PRELIMINARY; PRT; 433 AA.
AC Q26197;
DT 01-NOV-1996 (Tremblrel. 01, Created)
DT 01-NOV-1996 (Tremblrel. 01, Last sequence update)
DT 01-OCT-2000 (Tremblrel. 15, Last annotation update)
DE SERA-1 (FRAGMENT).
OS Plasmodium vinckei.
OC Eukaryota; Alveolata; Apicomplexa; Haemosporidia; Plasmodium.
OX NCBI_TaxID=5860;
RN [1]
RP SEQUENCE FROM N.A.
RA Rosenthal P.J., Gor D.O., Li A.C.;
RL Submitted (JUN-1996) to the EMBL/GenBank/DBJ databases.
DR EMBL: U59860; AAC61622.1; -
DR MEROPS: C01.077; -
DR INTERPRO: IPR000668; -
DR PRINTS: PRO0705; PAPAIN.
FT NON_TER 1
SQ SEQUENCE 433 AA; 50159 MW; 743287DDB22B3279 CRC64;

Query Match 8.1%; Score 77; DB 5; Length 433;

Best Local Similarity 21.3%; Pred. No. 17; Mismatches 59; Indels 76; Gaps 10;

Matches 42; Conservative 20; Mismatches 59; Indels 76; Gaps 10;

Qy 39 CSFSLIFIFLQLETAKEPCMAKEG-----KLEILQNGLYLIYGVAPNANYNDVAFPEVRLYKKNKDMIOITLTK- 63
Db 30 CSLCLWLFASKLHLEPIR--CMRGEHNRGSALYVANCSERTADNVDVGSNPIEFKILE 87
Qy 64 -----PL-----PSKQMASSEPPCVNKVSDW-----KLEILQNGLYLIY-----QGVAPNA 105
Db 88 KMKLPLESNFPYVKNVSD--TCPKPAANNWTNIGNTKLLNNMYGEFTQHRGFIAYS 145
Qy 106 NY-----NDVAFPEVR-----LYKKNKDMIOITLTKSKIONGVGTVELHVGDITL 150
Db 146 RYFKNMDFIDIVKREIRNKGSIYAIKTRDVIYDFNGRYISNIGG--HSHDPHAVNI 203
Qy 151 IFNSEHQVLK--NNTYW 165
Db 204 IGYGNYISDKGEKRTYW 220

RESULT 15

ID Q9P3D8 PRELIMINARY; PRT; 748 AA.
AC Q9P3D8;
DT 01-OCT-2000 (Tremblrel. 15, Created)
DT 01-OCT-2000 (Tremblrel. 15, Last sequence update)
DT 01-OCT-2000 (Tremblrel. 15, Last annotation update)
DE PROBABLE DOLICHYL-PHOSPHATE-MANNOSE--PROTEIN MANNOsylTRANSFERASE.
GN B13118.50.
OS Neurospora crassa.
OC Eukaryota; Fungi; Ascomycota; Sordariales; Sordariaceae; Neurospora.
OX NCBI_TaxID=5141;
RN [1]
RP SEQUENCE FROM N.A.
RA Schulte U., Aign V., Hoheisel J., Brandt P., Fartmann B., Holland R.,
RA Nyakatura G., Mewes H.W., Mannhaupt G.;
RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RA German Neurospora genome project;
RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AL390189; CAB99175.1; -
SQ SEQUENCE 748 AA; 85290 MW; A91DB796F41CB9C9 CRC64;

Query Match 8.1%; Score 77; DB 3; Length 748;
Best Local Similarity 21.2%; Pred. No. 33;
Matches 38; Conservative 25; Mismatches 66; Indels 50; Gaps 8;

Qy 13 HSRTQGAQRSSHWKLVFCISIVMLLELCFSFWL-IFIFLQLETAKEPCMAKEGGLPLPSKWQM 71
Db 222 HNLRRKSTPEWAFWLELTGLSIGEVCSVKVWGLEV-----TALVGLYTIEDLW-- 270
Qy 72 ASSEPPCVNKVSDWKLEILQNGLYLIYGVAPNANYNDVAFPEVRLYKKNKDMIOITLTK- 130
Db 271 -----NKFGDTKMPV-----KVLAAHVAARVSVCLILPFAVYLLSFAIHFWVLTNSG 317
Qy 131 -----SKIQ-NVGGT-----YELHVGDITDILFNSEHQVLKNNNTYWGILLIANPQ 174
Db 318 PGDAQMPSLSLFOANLRGTEVGRDSPLELATGSRV-----TIKNMGYGGGLLHSHVQ 367

Search completed: February 23, 2001, 10:49:18
Job time: 33 sec